

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
30 May 2002 (30.05.2002)

PCT

(10) International Publication Number
WO 02/043360 A3(51) International Patent Classification⁷: H04M 7/00,
3/56, H04L 12/18(74) Agent: KNOPS, Peter, C.; Lathrop & Gage I.C., Suite
2800, 2345 Grand Boulevard, Kansas City, MO 64108
(US).

(21) International Application Number: PCT/US01/45171

(22) International Filing Date:
1 November 2001 (01.11.2001)

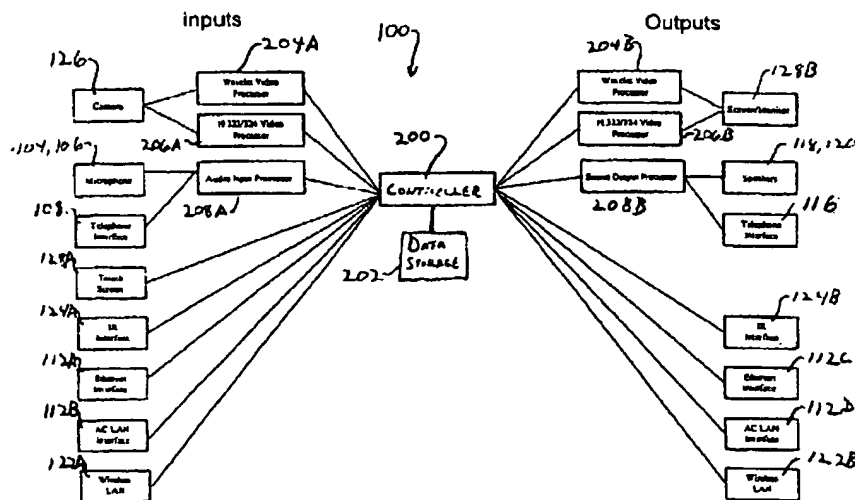
(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/244,651 1 November 2000 (01.11.2000) US(71) Applicant: LPS ASSOCIATES, LLC (US/US); 809
Bayridge Drive, Gaithersburg, MD 20878 (US).(72) Inventors: STINGLEY, Patrick; 8807 Second Avenue,
Silver Spring, MD 20910 (US). MOHNKERN, Scott,
A.; 809 Bayridge Drive, Gaithersburg, MD 20878 (US).
SOLOMON, Louis, P.; 213 Hart Road, Gaithersburg, MD
20878 (US). MORENOFF, Jerry; 9614 Weathered Oak
Drive, Bethesda, MD 20817 (US).(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK,
SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian
patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European
patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE,
IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF,
CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,
TG).Published:
— with international search report

[Continued on next page]

(54) Title: MULTIMEDIA INTERNET MEETING INTERFACE PHONE



(57) Abstract: A teleconferencing system is manufactured using components that assure use of the system as a dedicated Internet protocol appliance having multimedia capability. Audio and video data are processed using packetization for separate data streams that can be adjusted to give the audio data a priority which avoids unpleasant audio latency effects. The size of data packets can be adjusted to optimize network transmission capacities by achieving a balance between error transmission rates requiring retransmission of data and data packet sizes. Data compression algorithms include wavelet compression methods.

WO 02/043360 A3

(88) Date of publication of the international search report:
30 January 2003

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

 Intel ☐ National Application No
 PCT/US 01/45171

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04M7/00 H04M3/56 H04L12/18

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04M H04L 610L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, IBM-TDB, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 995 491 A (RICHTER ANDREAS ET AL) 30 November 1999 (1999-11-30)	1-5, 8-14, 16-28, 31-37, 40-44, 47-50, 53
Y	figures 4, 5, 7A, 7B, 12-18 column 1, line 18 - column 2, line 49 column 3, line 34 - line 48 column 4, line 15 - line 23 column 5, line 62 - column 9, line 9 column 11, line 59 - line 65 column 12, line 59 - line 63	
A	---	54 6, 7, 15, 38, 39, 45, 46, 51, 52
	--- -/-	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

T later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

A document member of the same patent family

Date of the actual completion of the International search

19 September 2002

Date of mailing of the International search report

27/09/2002

Name and mailing address of the ISA

 European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax (+31-70) 340-3016

Authorized officer

Nash, M

Form PCT/ISA/210 (second sheet) (July 1992)

INTERNATIONAL SEARCH REPORT

Int'l Application No
PCT/US 01/45171

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 99 46762 A (KELVIN LP) 16 September 1999 (1999-09-16) abstract; figure 1 -----	54
A	HARDMAN V ET AL: "SUCCESSFUL MULTIPARTY AUDIO COMMUNICATION OVER THE INTERNET" COMMUNICATIONS OF THE ASSOCIATION FOR COMPUTING MACHINERY, ASSOCIATION FOR COMPUTING MACHINERY. NEW YORK, US, vol. 41, no. 5, 1 May 1998 (1998-05-01), pages 74-80, XP000767882 ISSN: 0001-0782 the whole document -----	1-53

Form PCT/ISA/210 (continuation of second sheet) (July 1992)

INTERNATIONAL SEARCH REPORT

for division or patent family members

International Application No.

PCT/US 01/45171

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5995491	A	30-11-1999	US 5623490 A	22-04-1997
			US 6104706 A	15-08-2000
			AU 7206994 A	03-01-1995
			CA 2173355 A1	22-12-1994
			EP 0739558 A1	30-10-1996
			NZ 268754 A	28-07-1998
			WO 9429979 A1	22-12-1994
WO 9946762	A	16-09-1999	WO 9946762 A1	16-09-1999

Form PCT/ISA/210 (patent family annex) (July 1992)